

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6830
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Issue: 1
Issue Date: 5/27/2011
Effective Date: 5/27/2011

A. Construction

		<u>Diameters (In)</u>
1) Component 1	1 X 1 HOOKUP	
a) Conductor	12 (19/25) AWG BC	0.090
b) Insulation	0.015" Wall, Nom. Modified Polyphenylene Ether	0.120+/- 0.002
(1) Print	ALPHA WIRE ECOWIRE TM P/N 6830	
(2) Color(s)	12AWG (3.00MM2) 110C 300V ROHS CE WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, GREEN/YELLOW	

B. Applicable Specifications

- 1) Other: Halogen-Free
Suitable for ISO 6722 60 V_{RMS}
- 2) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Environmental Compliance

- 1) EU Directive 2002/95/EC(RoHS):
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 2) REACH Regulation (EC 1907/2006):
This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

D. Physical & Mechanical Properties

- 1) Temperature Range: -40 to 110°C
- 2) Bend Radius: 10X Cable Diameter
- 3) Pull Tension: 48 Lbs, Maximum

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating: 300 V_{RMS}
- 2) Inductance: 0.03 µH/ft, Nominal
- 3) Conductor DCR: 1.74 Ω/1000ft @20°C, Nominal

F. Other

- 1) Packaging: Flange x Traverse x Barrel (inches)
 - a) 1000 FT: 9 x 4.5 x 3.5 Continuous length
 - b) 100 FT: 6.5 x 3 x 3.25 Continuous length
 - c) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

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